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- 1- Artificial intelligence will be a helpful tool in many future jobs. ()
2. Artificial intelligence can sense human emotions. ()
3. Facial recognition is not affected by the type of data used in training. ()
4. Input can be images, sounds, or numbers.
5. Determining the type of input data (e.g., numbers or images) is a necessary first step in building an artificial neural network. ()

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1. Who is the scientist who devised a famous test to determine if a machine is intelligent? ..

b. Albert Einstein

d. Al-Khwarizmi

2. An example of the use of artificial intelligence in mobile phones is

b. Playing songs

c. Facial recognition camera

d. Manually opening the

3. When does bias occur in artificial intelligence?

a. When the data is diverse or unfair

b. When the data is scarce

c. When the data is abundant

d. When the data is recent

4. One of the functions of bias is

**a. It reduces the accuracy of the cell.
from functioning.**

b. It prevents the cell



c. It makes the cell more flexible.

d. It eliminates the use of inputs

5. One of the real-life applications of the artificial neural cell that relates to content suggestion is:

- a. Smart assistants such as Siri
- b. Cameras that recognize faces
- c. Recommending movies on platforms such as Netflix
- d.

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Governorate (2)	Information and Communication Technology
Department	date / / 2025
	Academic Year

February Exam - Grade 2nd t

Question 1: Place a checkmark (✓) or an X next to the

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1. Machine learning is a branch of artificial intelligence that allows computers to learn from experience. (\)
2. Artificial intelligence relies solely on data processing without self-awareness. (\)
3. Artificial intelligence can make critical decisions better than humans. (\)
4. An artificial neuron attempts to mimic the function of neurons in the human brain. (\)
5. The neuron is the fundamental building block upon which artificial neural networks are constructed. (\)

Question 2: Choose the correct answer from the following

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1. What is the best description of artificial intelligence?
- A. Making machines faster and stronger.
- B. Making machines bigger.
- C. Making machines think and learn like humans.
- D. Making machines smaller.



2. Artificial intelligence is characterized by:
- A. Having feelings.
 - B. Free artistic creativity.
 - C. Possessing self-awareness.
 - D. Processing data at extremely high speeds.
3. Which of the following is an example of the responsible use of artificial intelligence?
- A. Using it to harm others.
 - B. Using it to improve people's lives.
 - C. Using it to spread rumors.
 - D. Using it without data verification.
4. What is an artificial neural network?
- A. A program for running games.
 - B. A unit that attempts to mimic human thinking.
 - C. Part of a computer's memory.
 - D. A real biological cell.
5. What is the basis for building what is known as artificial neural networks?
- A. Complex algorithms.
 - B. An artificial neural network.
 - C. Intelligent assistants.
 - D. Real-time translation functions.



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Degree	Question 1: Place a checkmark (✓) or an X next to the
1.	One of the challenges artificial intelligence faced in The great initial was the (,) slowness of computers.
2.	Human intelligence possesses creativity, while artificial intelligence imitates (,)



rather than innovates.

- 3. It is unsafe to trust all results from artificial intelligence without verifying them.()
- 4. The activation function is responsible for executing the cell's final decision. ()
- 5. When thousands of neurons are connected together, the network loses its ability to learn from experience and improve itself over time.

Question 2: Choose the correct answer from the options in

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- 1- The Sigmoid function works as a
- 1- A negative number (probability)
 - B. A number between 0 and 1
 - C. A random number
 - D. A number greater than 100
2. An example of privacy protection is
- A. Sharing your data with any application without review.
 - B. Reading privacy settings before using a new application.
 - C. Posting all your information online.
 - D. Giving your password to a friend.
3. Siri is an example of
- A. Image processing
 - B. Paint
 - C. An internet browser
 - D. An AI-powered voice assistant.
4. Learning a computer to play chess and beat the best players is an early example of
- A. Machine learning
 - B. The internet
 - C. 3D printing
 - D. Using office software
5. What is the step after determining the data type and assigning weight to each input in building an artificial neural network?
- A. Obtaining the final output
 - B. Passing the output to the activation function.
 - c) Sum the inputs after multiplying them by their weights.
 - d) Analyze the image using the weights



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Q 1: Place a checkmark (✓) or an X next to the following

1. The appeering of the internet has helped provide maseve amounts of data. ()
2. One of the capabilities of artificial intelligence is learning from data. ()
3. Human intelligence is characterized by creativity and original innovation. ()
4. Artificial intelligence can understand sarcasm and emotions with the same accuracy as humans.
()
5. Using non-diverse data helps achieve fairness.
()
6. Artificial intelligence is a tremendous power that needs to be used responsibly.()
7. Output represents the output of an artificial neural network.
()
8. One of the benefits of bias is making the network more flexible.
()
9. Connecting thousands of artificial neural networks together produces a powerful neural network.
()
10. Smart cameras that recognize faces rely on artificial neural networks. ()

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Q 2: Choose the correct answer from the options in

(Experiments - Sigmoid - Activation Function - Inputs - Artificial Intelligence)

1- Artificial neural networks can learn from

2-This refers to the information that enters the cell, such as (images - text - numbers)

3- The function gives a percentage or probability between 0 and 1

4- is a part of the artificial neural cell and makes the final decision

5- enhancing the image Automatically on a phone is done by



School-----	student name
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B: choose	م	false	
Alan Turing	1	✓	1
Facial Recognition	2	x	2
When data is scarce or unfair, it makes the cell more resilient.	3	x	3
Movie suggestions on platforms like Netflix	4	✓	4
B: choose	م	A:True or false	م
Alan Turing	5	Sample	
Making machines think and learn like humans	1	✓	1
Processing data at lightning speed	2	✓	2
Using it to improve people's lives	3	x	3
A unit that attempts to mimic human thought processes	4	✓	4
Artificial neural network	5	✓	5



Sample

B: choose		م	A:True or false		م	
A number between 0 and 1 (probability		1	✓		1	
Read privacy settings before using .a new app		2	✓		2	
An AI-powered voice assistant		3	x		3	
مple	Machine learning	4	✓		4	
Input summation after multiplying it by its weights		م	A:True or false		م	
Experiments		1	✓	6	✓	1
Inputs		2	✓	7	✓	2
Sigmoid		3	✓	8	✓	3
Activation Function		4	✓	9	x	4
Artificial Intelligence		5	✓	10	x	5

Sample

B: choose